



COMMUNITY DEVELOPMENT DIVISION  
FREDERICK COUNTY, MARYLAND

*Department of Permits and Inspections*

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TTY: Use Maryland Relay Service

**10 Most Common Reasons Why Residential Plumbing Inspections Fail**  
**Reference 2009 International Plumbing Code and**  
**2009 International Fuel Gas Code**

1. **Vents through roof are offset more than 45 degrees from vertical;** *Amendment to the 2009 IPC, Frederick County Code, Ordinance 10-15-550, §904.1 (Roof extension).*
2. **Shower pan liner not properly installed and/or not tested;** *Section 417.5.2 and 312.9 (Shower lining; Shower liner test).*
3. **Proper combustion air not provided for gas appliances;** *Sections 303.3 #5 and 304.5 (Indoor Combustion Air).*
4. **Wrong or no backflow preventer on hand held shower, pump tank, fire sprinkler, yard hydrants;** *Section 608 (Protection of potable water supply).*
5. **Well tank not installed a minimum of 7 ½" off floor;** *Amendment to the 2009 IPC, Frederick County Code, Ordinance 10-15-550, § 606.5.8 (Prohibited location of potable supply tanks).*
6. **Does not have proper fixture clearances (primarily lavatory is not installed to have a minimum of 15" to center from side wall);** *Section 405.3.1 (Water closets, urinals, lavatories and bidets).*
7. **CSST gas pipe not bonded properly;** *International Fuel Gas Code, Section 310.1.1 (Electrical Bonding, CSST).*
8. **Air Admittance Valve (AAV) not installed properly;** *Section 917 (Air Admittance Valves).*
9. **Debris/standing water in base of cleanout in sewer line;** *Standard Operating Procedures for House Connections.*
10. **Proper type copper tube not installed; Type "K" is required underground, type "L" is required above ground;** *Amendment to the 2009 IPC, Frederick County Code, Ordinance 10-15-550, §§ 605.3, 605.4 and IPC table 605.3 (Water service pipe; Water distribution pipe).*

June 1, 2011